REMARKS

Applicants appreciate the allowance of claims 1-3, 5-12, 14-19, 22 and 26-30.

By the foregoing Amendment, previously rejected claims 20 and 21 are cancelled and claim 4 has been amended. Support for molecular weight expressed as "g/mol" in the amendment of claim 4 is found in the specification, as filed, for example, in Example 1 on page 7 and support for 500 g/mol is found in original claim 4.

Regarding "molecular weight," the Examiner's comments are noted, but the Examiner is referred to 21 C.F.R. Part 175, subparts B and C (e.g., 21 C.F.R. § 175.105) where molecular weight for substances such as polyalkylene glycols and derivatives thereof are given as molecular weight, without any specification. Thus, the Examiner's understanding based on his professor's teachings are not shared by the government in its federal regulations.

Additionally, claims 23, 24 and 25 are amended to delete the objectionable term "such as."

The application should now be in condition for immediate allowance, which action is earnestly solicited.

If any fee is necessary to make this paper timely and/or complete, such fees may be deduced from Deposit Account No. 19-4375.

Respectfully submitted,

TPP/mat
Attorney Docket No.: TPP 31760

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[Page 141-156]

TITLE 21--FOOD AND DRUGS

CHAPTER I--FOOD AND DRUG ADMINISTRATION, DEPARTMENT OF HEALTH AND HUMAN SERVICES (CONTINUED)

PART 175--INDIRECT FOOD ADDITIVES: ADHESIVES AND COMPONENTS OF COATINGS--Table of Contents

Subpart B--Substances for Use Only as Components of Adhesives

Sec. 175.105 Adhesives.

(a) Adhesives may be safely used as components of articles intended for use in packaging, transporting, or holding food in accordance with the following prescribed conditions:

(1) The adhesive is prepared from one or more of the optional substances named in paragraph (c) of this section, subject to any prescribed limitations.

(2) The adhesive is either separated from the food by a functional barrier or used subject to the following additional limitations:

(i) In dry foods. The quantity of adhesive that contacts packaged dry food shall not exceed the limits of good manufacturing practice.

(ii) In fatty and aqueous foods. (a) The quantity of adhesive that contacts packaged fatty and aqueous foods shall not exceed the trace amount at seams and at the edge exposure between packaging laminates that may occur within the limits of good manufacturing practice.

(b) Under normal conditions of use the packaging seams or laminates will remain firmly bonded without visible separation.

(b) To assure safe usage of adhesives, the label of the finished adhesive container shall bear the statement ``food-packaging adhesive''.

(c) Subject to any limitation prescribed in this section and in any other regulation promulgated under section 409 of the Act which prescribes safe conditions of use for substances that may be employed as constituents of adhesives, the optional substances used in the formulation of adhesives may include the following:

(1) Substances generally recognized as safe for use in food or food packaging.

(2) Substances permitted for use in adhesives by prior sanction or approval and employed under the specific conditions of use prescribed by such sanction or approval.

(3) Flavoring substances permitted for use in food by regulations in this part, provided that such flavoring substances are volatilized from the adhesives during the packaging fabrication process.

(4) Color additives approved for use in food.

(5) Substances permitted for use in adhesives by other regulations in this subchapter and substances named in this subparagraph: Provided, however, That any substance named in this paragraph and covered by a specific regulation in this subchapter, must meet any specifications in such regulation.

[[Page 142]]

Substances	Limitations
Abietic acid.....	
Acetone.....	
Acetone-formaldehyde condensate (CAS Reg. No. 25619-09-4).	
Acetone-urea-formaldehyde resin.....	
N-Acetyl ethanolamine.....	
Acetyl tributyl citrate.....	
Acetyl triethyl citrate.....	
2-Acrylamido-2-methyl-propanesulfonic acid, homopolymer, sodium salt (CAS Reg. No. 35641-59-9).	
Albumin, blood.....	
(2-Alkenyl) succinic anhydrides in which the alkenyl groups are derived from olefins which contain not less than 78 percent C<INF>30</INF> and higher groups (CAS Reg. No. 70983-55-0).	
4-[2-[2-2-(Alkoxy (C<INF>12</INF>-C<INF>15</INF>) ethoxy) ethoxy]ethyl] disodium sulfosuccinate.	
1-Alkyl (C<INF>6</INF>-C<INF>18</INF>) amino-3-amino-propane	

monoacetate.	
Alkylated (C<INF>4</INF> and/or C<INF>8</INF>) phenols.....	
Alkyl (C<INF>7</INF>-C1<INF>2</INF>) benzene.....	
Alkyl (C<INF>10</INF>-C<INF>20</INF>) dimethylbenzyl ammonium chloride<INF>.</INF>	
n-Alkyl(C<INF>12</INF>, C<INF>14</INF>, C<INF>16</INF>, or C<INF>18</INF>) dimethyl (ethylbenzyl) ammonium cyclohexylsulfamate.	For use as preservative only.
Alkyl ketene dimers as described in Sec. 176.120 of this chapter.	
Alkyl (C<INF>7</INF>-C<INF>12</INF>) naphthalene.....	
alpha Olefin sulfonate [alkyl group is in the range of C<INF>10</INF>-C<INF>18</INF> with not less than 50 percent C<INF>14</INF>-C<INF>16</INF>], ammonium, calcium, magnesium, potassium, and sodium salts.	
2-[(2-aminoethyl)amino]ethanol (CAS Reg. No. 111-41-1).	
3-Aminopropanediol.....	For use only in the preparation of polyurethane resins.
Aluminum.....	
Aluminum acetate.....	
Aluminum di(2-ethylhexoate).....	
Aluminum potassium silicate.....	
N-<greek-b>-Aminoethyl-gamma-aminopropyl trimethoxysilane.	
3-(Aminomethyl)-3,5,5-trimethylcyclohexylamine.	
Aminomethylpropanol.....	
Ammonium benzoate.....	For use as preservative only.
Ammonium bifluoride.....	For use only as bonding agent for aluminum foil, stabilizer or preservative. Total fluoride from all sources not to exceed 1 percent by weight of the finished adhesive.
Ammonium borate.....	
Ammonium citrate.....	
Ammonium persulfate.....	
Ammonium polyacrylate.....	
Ammonium potassium hydrogen phosphate..	
Ammonium silico-fluoride.....	For use only as bonding agent for aluminum foil, stabilizer, or preservative. Total fluoride from all sources not to exceed 1 percent by weight of the finished adhesive.
Ammonium sulfamate.....	
Ammonium thiocyanate.....	
Ammonium thiosulfate.....	
Amyl acetate.....	
Anhydroenneaheptitol.....	
Animal glue as described in Sec. 178.3120 of this chapter.	
2-Anthraquinone sulfonic acid, sodium salt.	For use only as polymerization-control agent.
Antimony oxide.....	
Asbestos.....	
Asphalt, paraffinic and naphthenic.....	
Azelaic acid.....	
Azo-bis-isobutyronitrile.....	
Balata rubber.....	
Barium acetate.....	
Barium peroxide.....	
Barium sulfate.....	
Bentonite.....	
Benzene (benzol).....	
1,4-Benzenedicarboxylic acid, bis[2-(1,1-dimethylethyl)-6-[[3-(1,1-dimethylethyl)-2-hydroxy-5-methylphenyl]methyl]-4-methyl-phenyl]ester (CAS Reg. No. 57569-40-1).	For use as a stabilizer.
1,2-Benzisothiazolin-3-one (CAS Registry No. 2634-33-5).	For use as preservative only.
Benzothiazyldisulfide.....	
p-Benzoxyphenol.....	For use as preservative only.
Benzoyl peroxide.....	

[[Page 143]]

Benzyl alcohol.....	
Benzyl benzoate.....	
Benzyl bromoacetate.....	For use as preservative only.
p-Benzyloxyphenol.....	Do.
BHA (butylated hydroxyanisole).....	

BHT (butylated hydroxytoluene).....	
Bicyclo[2.2.1]hept-2-ene-6-methyl acrylate.	
2-Biphenyl diphenyl phosphate.....	
Bis(benzoate-O)(2-propanolato)aluminum (CAS Reg. No. 105442-85-1).	For use only as a reactant in the preparation of polyester resins.
1,2-Bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamoyl)hy-drazine (CAS Reg. No. 32687-78-8).	For use at a level not to exceed 2 percent by weight of the adhesive.
1,3-Bis(2-benzothiazolylmercaptomethyl) urea.	
4,4'-Bis(<greek-a>,<greek-a>-dimethylbenzyl)diphenylamine.	
2,6-Bis(1,1-dimethylethyl)-4-(1-methylpropyl)phenol (CAS Reg. No. 17540-75-9).	For use as an antioxidant and/or stabilizer only.
2,6-Bis (1-methylheptadecyl)-p-cresol..	
4-[[4, 6-Bis(octylthio)6-Bis(octylthio)6-Bis(octylthio)-s-triazin-2-yl]amino]-2,6-di-tert-butylphenol (CAS Reg. No. 991-84-4).	
Bis(tri-n-butyltin) oxide.....	For use as preservative only. Do.
Bis(trichloromethyl)sulfone C.A. Registry No. 3064-70-8.	
Borax.....	
Boric acid.....	
2-Bromo-2-nitro-1, 3-propanediol (CAS Reg. No. 52-51-7).	For use only as an antibacterial preservative.
1,3-Butanediol.....	
1,4-Butanediol.....	
1,4-Butanediol modified with adipic acid.	
Butoxy polyethylene polyproplyene glycol (molecular weight 900-4,200).	
Butyl acetate.....	
Butyl acetyl ricinoleate.....	
Butyl alcohol.....	
Butylated reaction product of p-cresol and dicyclopentadiene.	As identified in Sec. 178.2010(b) of this chapter.
Butylated, styrenated cresols identified in Sec. 178.2010(b) of this chapter.	
Butyl benzoate.....	
Butyl benzyl phthalate.....	
Butyldecyl phthalate.....	.....
1,3-Butylene glycoldiglycolic acid copolymer.	
tert-Butyl hydroperoxide.....	
4,4'-Butylidenebis(6-tert-butyl-m-cresol).	
Butyl lactate.....	
Butyloctyl phthalate.....	
p-tert-Butylphenyl salicylate.....	
Butyl phthalate butyl glycolate.....	
p-tert-Butylpyrocatechol.....	For use only as polymerization-control agent.
Butyl ricinoleate.....	
Butyl rubber polymer.....	
Butyl stearate.....	
Butyl titanate, polymerized.....	
Butyraldehyde.....	
Calcium ethyl acetoacetate.....	
Calcium nitrate.....	
Calcium metasilicate.....	
Camphor.....	
Camphor fatty acid esters.....	
Candelilla wax.....	
epsilon-Caprolactam-(ethylene-ethyl acrylate) graft polymer.	
Carbon black, channel process.....	
Carbon disulfide-1,1'-methylenedipiperidine reaction product.	
Carbon tetrachloride.....	
Carboxymethylcellulose.....	
Castor oil, polyoxyethylated (4-84 moles ethylene oxide).	
Cellulose acetate butyrate.....	
Cellulose acetate propionate.....	
Ceresin wax (ozocerite).....	
Cetyl alcohol.....	
Chloracetamide.....	
Chloral hydrate.....	
Chlorinated liquid n-paraffins with chain lengths of C<INF>10</INF>-C<INF>17</INF>, containing 40-70 percent chlorine by weight.	

Chlorinated pyridine mixture with active ingredients consisting of 2,3,5,6-tetrachloro-4-(methylsulfonyl) pyridine, 2,3,5,6-tetrachloro-4-(methylsulfinyl) pyridine and pentachloropyridine.	For use as preservative only.
Chlorinated rubber polymer (natural rubber polymer containing approximately 67 percent chlorine).	

[[Page 144]]

1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride.	For use as preservative only.
Chlorobenzene.....	
4-Chloro-3,5-dimethylphenol (p-chloro-m-xylenol).	For use as preservative only.
4-Chloro-3-methylphenol.....	Do.
5-Chloro-2-methyl-4-isothiazolin-3-one (CAS Reg. No. 26172-55-4) and 2-methyl-4-isothiazolin-3-one (CAS Reg. No. 2682-20-4) mixture at a ratio of 3 parts to 1 part, manufactured from methyl-3-mercaptopropionate (CAS Reg. No. 2935-90-2). The mixture may contain magnesium nitrate (CAS Reg. No. 10377-60-3) at a concentration equivalent to the isothiazolone active ingredients (weight/weight).	For use only as an antimicrobial agent in polymer latex emulsions.
Chloroform.....	
Chloroprene.....	
Chromium caseinate.....	
Chromium nitrate.....	
Chromium potassium sulfate.....	
Cobaltous acetate.....	
Coconut fatty acid amine salt of tetrachlorophenol.	For use as preservative only.
Copal.....	
Copper 8-quinolinolate.....	For use as preservative only.
Coumarone-indene resin.....	
Cresyl diphenyl phosphate.....	
Cumene hydroperoxide.....	
Cyanoguanidine.....	
Cyclized rubber as identified in Sec. 176.170(b)(2) of this chapter.	
Cyclohexane.....	
1,4-Cyclohexanedimethanoldibenzoate (CAS Reg. No. 35541-81-2).	
Cyclohexanol.....	
Cyclohexanone resin.....	
Cyclohexanone-formaldehyde condensate..	
N-Cyclohexyl p-toluene sulfonamide.....	
(<greek-ee>⁵-Cyclopentadienyl)-(<greek-ee>⁶-isopropylbenzene)iron(II) hexafluorophosphate (CAS Reg. No. 32760-80-8).	For use only as a photoinitiator.
Damar.....	
Defoaming agents as described in Sec. 176.210 of this chapter.	
Dehydroacetic acid.....	.....
Diacetone alcohol.....	
Diacetyl peroxide.....	
N,N'-Dialkoyl-4,4'-diaminodiphenylmethane mixtures where; the alkoyl groups are derived from marine fatty acids (C<INF>12</INF>-C<INF>24</INF>).	
2,5-Di-tert-amylhydroquinone.....	
Diamines derived from dimerized vegetable oil acids.	
Diaryl-p-phenylenediamine, where the aryl group may be phenyl, tolyl, or xylyl.	
1,2-Dibromo-2,4-dicyanobutane (CAS Registry No. 3569-65-7).	For use as a preservative only.
Di(butoxyethyl) phthalate.....	
2,5-Di-tert-butylhydroquinone.....	
Dibutyl maleate.....	
2,6-Di-tert-butyl-4-methylphenol.....	For use as preservative only.
Di(C<INF>7</INF>, C<INF>9</INF>-alkyl)adipate.....	
Dibutyl phthalate.....	
Dibutyl sebacate.....	
Dibutyltin dilaurate for use only as a catalyst for polyurethane resins.	
1,2-Dichloroethylene (mixed isomers)...	
Dicumyl peroxide.....	

Dicyclohexyl phthalate.....	
Diethanolamine.....	
Diethanolamine condensed with animal or vegetable fatty acids.	
Diethylamine.....	
Diethylene glycol.....	
Diethylene glycol adipic acid copolymer	
Diethylene glycol dibenzoate.....	
Diethylene glycol hydrogenated tallowate monoester.	
Diethylene glycol laurate.....	
Diethylene glycol monobutyl ether.....	
Diethylene glycol monobutyl ether acetate.	
Diethylene glycol monoethyl ether.....	
Diethylene glycol monoethyl ether acetate.	
Diethylene glycol monomethyl ether.....	
Diethylene glycol monooleate.....	
Diethylene glycol monophenyl ether.....	
Diethylene glycol copolymer of adipic acid and phthalic anhydride.	
Di(2-ethylhexyl) adipate.....	
Di(2-ethylhexyl)hexahydrophthalate.....	

[[Page 145]]

Di(2-ethylhexyl)phthalate.....	
Diethyl oxalate.....	
Diethyl phthalate.....	
Dihexyl phthalate.....	
Dihydroabietylphthalate.....	
Di(2-hydroxy-5-tert-butylphenyl) sulfide.	
2,2'-Dihydroxy-5,5'-dichlorodiphenylmethane (dichlorophene).	
4,5-Dihydroxy-2-imidazolidinone.....	
4-(Diiodomethylsulfonyl) toluene CA Registry No.: 20018-09-01.	For use as an antifungal preservative only.
Diisobutyl adipate.....	
Diisobutyl ketone.....	
Diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride.	
Diisobutyl phthalate.....	
Diisodecyl adipate.....	
Diisodecyl phthalate.....	
Diisooctyl phthalate.....	
Diisopropylbenzene hydroperoxide.....	
N,N-Dimethylcyclohexylamine dibutyldithiocarbamate.	
Dimethyl formamide.....	
Dimethyl hexynol.....	
2,2-Dimethyl-1,3-propanediol dibenzoate	
Dimethyl octynediol.....	
N-(1,1-dimethyl-3-oxobutyl) acrylamide.	
Dimethyl phthalate.....	
3,5-Dimethyl-1,3,5,2H-tetrahydrothiadiazine-2-thione.	For use as preservative only.
Di-<greek-b>-naphthyl-p-phenylenediamine.	
4,6-Dinonyl-o-cresol.....	
Dinonylphenol.....	
Di-n-octyldecyl adipate.....	
Dioctyldiphenylamine.....	
Dioctylphthalate.....	
Dioctylsebacate.....	
Dioxane.....	
Dipentaerythritol pentastearate.....	
Dipentamethylene-thiuram-tetrasulfide..	
Dipentene.....	.....
Dipentene resins.....	
Dipentene-beta-pinene-styrene resins...	
Dipentene-styrene resin (CAS Registry No. 64536-06-7).	
Diphenyl-2-ethylhexyl phosphate.....	
Diphenyl, hydrogen ated.....	
N,N'-Diphenyl-p-phenylenediamine.....	
Diphenyl phthalate.....	
1,3-Diphenyl-2-thiourea.....	
Dipropylene glycol.....	
Dipropylene glycol dibenzoate.....	
Dipropylene glycol monomethyl ether....	
Dipropylene glycol copolymer of adipic acid and phthalic anhydride.	

Disodium cyanodithioimidocarbonate.....	
Disodium 4-isodecyl sulfosuccinate (CAS Reg. No. 37294-49-8).	
N,N'-Distearoylethylenediamine.....	
Distearyl thiodipropionate.....	
3,5-Di-tert-butyl-4-hydroxyhydrocinnamic acid triester with 1,3,5-tris(2-hydroxyethyl)-s-triazine-2,4,6(1H, 3H, 5H)-trione.	For use as antioxidant only.
4,4'-Dithiodimorpholine.....	
n-Dodecylmercaptan.....	
tert-Dodecylmercaptan.....	
Dodecylphenoxybenzene-disulfonic acid and/or its calcium, magnesium, and sodium salts.	
Elemi gum.....	
Epichlorohydrin-4,4'-isopropylidenediphenol resin.	
Epichlorohydrin-4,4'-sec-butylidenediphenol resin.	
Epichlorohydrin-4,4'-isopropylidene-di-o-cresol resin.	
Epichlorohydrin-phenolformaldehyde resin.	
Erucamide (erucylamide).....	
Ethanolamine.....	
Ethoxylated primary linear alcohols of greater than 10 percent ethylene oxide by weight having molecular weights of 390 to 7,000 (CAS Reg. No. 97953-22-5).	
Ethoxypropanol butyl ether.....	
Ethyl alcohol (ethanol).....	
5-Ethyl-1,3-diglycidyl-5-methylhydantoin (CAS Reg. No. 15336-82-0).	
Ethylene-acrylic acid-carbon monoxide copolymer (CAS Reg. No. 97756-27-9).	

[[Page 146]]

Ethylene-acrylic acid copolymer, partial sodium salt containing no more than 20 percent acrylic acid by weight, and no more than 16 percent of the acrylic acid as the sodium salt (CAS Reg. No. 25750-82-7).	
Ethylenediamine.....	
Ethylenediaminetetra-acetic acid, calcium, ferric, potassium, or sodium salts, single or mixed.	
Ethylene dichloride.....	
Ethylene glycol.....	
Ethylene glycol monobutyl ether.....	
Ethylene glycol monobutyl ether acetate	
Ethylene glycol monoethyl ether.....	
Ethylene glycol monoethyl ether acetate	
Ethylene glycol monoethyl ether ricinoleate.	
Ethylene glycol monomethyl ether.....	
Ethylene glycol monophenyl ether.....	
Ethylene-carbon monoxide copolymer (CAS Reg. No. 25052-62-4) containing not more than 30 weight percent of the units derived from carbon monoxide.	
Ethylene-maleic anhydride copolymer, ammonium or potassium salt.	
Ethylene-methacrylic acid copolymer partial salts: Ammonium, calcium, magnesium, sodium, and/or zinc.	
Ethylene-methacrylic acid-vinyl acetate copolymer partial salts: Ammonium, calcium, magnesium, sodium, and/or zinc.	
Ethylene-octene-1 copolymers containing not less than 70 weight percent ethylene (CAS Reg. No. 26221-73-8).	
Ethylene-propylene-dicyclopentadiene copolymer rubber.	
Ethylene, propylene, 1,4-hexadiene and 2,5-norbornadiene tetrapolymer.	
Ethylene-vinyl acetate carbon monoxide terpolymer (CAS Registry No. 26337-35-9) containing not more than 15 weight percent of units derived from carbon monoxide.	

2,2'-Ethylidenebis (4,6-di-tert-butylphenol) (CAS Reg. No. 35958-30-6).	
Ethyl-p-hydroxybenzoate	For use as preservative only.
Ethyl hydroxyethylcellulose	
Ethyl lactate	
2,2'-Ethylidenebis(4,6-di-tert-butylphenyl)fluorophosphonite (CAS Reg. No. 118337-09-0).	For use as an antioxidant and/or stabilizer only.
Ethyl phthalyl ethyl glycolate	
Ethyl-p-toluene sulfonamide	
Fats and oils derived from animal or vegetable sources, and the hydrogenated, sulfated, or sulfonated forms of such fats and oils.	
Fatty acids derived from animal or vegetable fats and oils; and salts of such acids, single or mixed, as follows:	
Aluminum	
Ammonium	
Calcium	
Magnesium	
Potassium	
Sodium	
Zinc	
Ferric chloride	
Fluosilicic acid (hydrofluosilicic acid).	For use only as bonding agent for aluminum foil, stabilizer, or preservative. Total fluoride from all sources not to exceed 1 percent by weight of the finished adhesive.
Formaldehyde	
Formaldehyde o- and p-toluene sulfonamide.	
Formamide	
Fumaratochromium (III) nitrate	
Furfural	
Furfuryl alcohol	
Fumaric acid	
gamma-Aminopropyltrimethoxysilane (CAS Reg. No. 13822-56-5).	
Glutaraldehyde	
Glycerides, di- and monoesters	
Glycerol polyoxypropylene triol, minimum average molecular weight 250 (CAS Reg. No. 25791-96-2).	For use only in the preparation of polyester and polyurethane resins in adhesives.
Glyceryl borate (glycol boriborate resin).	
Glyceryl ester of damar, copal, elemi, and sandarac.	
Glyceryl monobutyl ricinoleate	
Glyceryl monohydroxy stearate	
Glyceryl monohydroxy tallowate	
Glyceryl polyoxypropylene triol (average molecular weight 1,000).	
Glyceryl tribenzoate	
Glycol diacetate	

[[Page 147]]

Glyoxal	
Heptane	
Hexamethylenetetramine	
Hexane	
Hexanetriols	
Hexylene glycol	
Hydroabietyl alcohol	
Hydrocarbon resins (produced by polymerization of mixtures of mono- and di-unsaturated hydrocarbons of the aliphatic, alicyclic, and monobenzenoid type derived both from cracked petroleum and terpene stocks) (CAS Reg. No. 68239-99-6).	
Hydrocarbon resins (produced by the polymerization of styrene and alpha-methyl styrene), hydrogenated (CAS Reg. No. 68441-37-2).	
Hydrofluoric acid	For use only as bonding agent for aluminum foil, stabilizer, or preservative. Total fluoride from all sources not to exceed 1 percent by weight of the finished adhesive.

Hydrogen peroxide.....	
Hydrogenated dipentene resin (CAS Reg. No. 106168-39-2).	
Hydrogenated dipentene-styrene copolymer resin (CAS Reg. No. 106168-36-9).	
Hydrogenated-beta-pinene-alpha-pinene-dipentene copolymer resin (CAS Reg. No. 106168-37-0).	
a-Hydro-omega-hydroxypoly-(oxytetramethylene).	For use only in the preparation of polyurethane resins.
Hydroquinone.....	
Hydroquinone monobenzyl ether.....	
Hydroquinone monoethyl ether.....	
2(2'-Hydroxy-3',5' di-tert-amylphenyl) benzotriazole.	
Hydroxyacetic acid.....	
7-Hydroxycoumarin.....	
Hydroxyethylcellulose.....	
2-Hydroxy-1-[4-(2-hydroxyethoxy)phenyl]-2-methyl-1-propanone(CAS Reg. No. 106797-53-9).	For use only as a photoinitiator at a level not to exceed 5 percent by weight of the adhesive.
1-(2-Hydroxyethyl)-1-(4-chlorobutyl)-2 alkyl (C<INF>6</INF>-C<INF>17</INF>) imidazolinium chloride.	
Hydroxyethyldiethylenetriamine.....	
<greek-b>-Hydroxyethyl pyridinium 2-mercaptobenzothiazol.	
Hydroxyethyl starch.....	
Hydroxyethylurea.....	.....
Hydroxylamine sulfate.....	
5-Hydroxymethoxymethyl-1-aza-3,7-dioxabicyclo[3.3.0]octane, 5-hydroxymethyl-1-aza-3,7-dioxabicyclo[3.3.0]octane, and 5-hydroxypoly-[methyleneoxy]methyl-1-aza-3,7-dioxabicyclo[3.3.0] octane mixture.	For use only as an antibacterial preservative.
Hydroxypropyl methylcellulose.....	
2-(Hydroxymethyl)-2-methyl-1,3-propanediol tribenzoate.	
2-Imidazolidinone.....	
3-Iodo-2-propynyl-N-butyl carbamate (CAS Reg. No. 55406-53-6).	For use only as an antifungal preservative.
Iodoform.....	For use only as polymerization-control agent.
Isoascorbic acid.....	
Isobutyl alcohol (isobutanol).....	
Isobutylene-isoprene copolymer.....	
Isodecyl benzoate (CAS Reg. No. 131298-44-77).	
Isophorone.....	
Isopropanolamine (mono-, di-, tri-)....	
Isopropyl acetate.....	
Isopropyl alcohol (isopropanol).....	
Isopropyl-m- and p-cresol (thymol derived).	
4,4'-Isopropylidenediphenol.....	
4,4'-Isopropylidenediphenol, polybutylated mixture.	For use as preservative only.
Isopropyl peroxydicarbonate.....	
p-Isopropoxy diphenylamine.....	
4,4'-Isopropylidene-bis(p-phenyleneoxy)-di-2-propanol.	
Itaconic acid.....	
Japan wax.....	
Kerosene.....	
Lauroyl peroxide.....	
Lauroyl sulfate salts:	
Ammonium.....	
Magnesium.....	
Potassium.....	
Sodium.....	
Lauryl alcohol.....	
Lauryl pyridinium 5-chloro-2-mercaptobenzothiazole.	

[[Page 148]]

Lignin calcium sulfonate.....	
Lignin sodium sulfonate.....	
Linoleamide (linoleic acid amide).....	
Magnesium fluoride.....	For use only as bonding agent for aluminum foil, stabilizer, or preservative. Total fluoride from all sources not

	to exceed 1 percent by weight of the finished adhesives.
Magnesium glycerophosphate.....	
Maleic acid.....	
Maleic anhydride-diisobutylene copolymer, ammonium or sodium salt.	
Manganese acetate.....	
Marine oil fatty acid soaps, hydrogenated.	
Melamine.....	
Melamine-formaldehyde copolymer.....	
2-Mercaptobenzothiazole.....	
2-Mercaptobenzothiazole and dimethyl dithiocarbamic acid mixture, sodium salt.	For use as preservative only.
2-Mercaptobenzothiazole, sodium or zinc salt.	For use as preservative only.
Methacrylate-chromic chloride complex, ethyl or methyl ester.	
p-Menthane hydroperoxide.....	
Methyl acetate.....	
Methyl acetyl ricinoleate.....	
Methyl alcohol (methanol).....	
Methylcellulose.....	
Methylene chloride.....	
4,4'-Methylenebis(2,6-di-tert-butylphenol).	
2,2-Methylenebis (4-ethyl-6-tert-butylphenol).	
2,2-Methylenebis (4-methyl-6-nonylphenol).	
2,2-Methylenebis (4-methyl-6-tert-butylphenol).	
Methyl ethyl ketone.....	
Methyl ethyl ketone-formaldehyde condensate.	
2-Methylhexane.....	
1-Methyl-2-hydroxy-4-isopropyl benzene.	
Methyl isobutyl ketone.....	
Methyl oleate.....	
Methyl oleate-palmitate mixture.....	
Methyl phthalyl ethyl glycolate.....	
Methyl ricinoleate.....	
Methyl salicylate.....	
a-Methylstyrene-vinyltoluene copolymer resins (molar ratio 1 a methylstyrene to 3 vinyltoluene).	.....
Methyl tallowate.....	
Mineral oil.....	
Monochloracetic acid.....	
Monooctyldiphenylamine.....	
Montan wax.....	
Morpholine.....	
Myristic acid-chromic chloride complex.	
Myristyl alcohol.....	
Naphtha.....	
Naphthalene, monosulfonated.....	
Naphthalene sulfonic acid-formaldehyde condensate, sodium salt.	
<greek-a>-Naphthylamine.....	
<greek-a>,<greek-a>',<greek-a>'',<greek-'''-Neopentane tetrayltetrakis [omega-hydroxypoly (oxypropylene) (1-2 moles)], average molecular weight 400.	
Nitric acid.....	
<greek-m>-Nitrobiphenyl.....	
Nitrocellulose.....	
2-Nitropropane.....	
<greek-a>-(p-Nonylphenyl)-omega-hydroxypoly (oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters; the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 6-9 moles or 50 moles.	
<greek-a>(p-Nonylphenyl)-omega-hydroxypoly (oxyethylene) produced by the condensation of 1 mole of p-nonylphenol (nonyl group is a propylene trimer isomer) with an average of 1-40 moles of ethylene oxide.	
<greek-a>-(p-Nonylphenyl)-omega-hydroxypoly (oxyethylene) sulfate, ammonium salt: the nonyl group is a propylene trimer isomer and the poly	

(oxyethylene) content averages 9 or 30 moles.	
endo-cis-5-Norbornene-2,3-dicarboxylic anhydride.	
<greek-a>-cis-9-Octadecenyl-omega-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles.	
Octadecyl 3,5-di-tert-butyl-4-hydroxyhydrocinnamate.	

[[Page 149]]

Octyl alcohol.....	
Octyldecyl phthalate.....	
Octylphenol.....	
Octylphenoxyethanols.....	
Octylphenoxypolyethoxy-polypropoxyethanol (13 moles of ethylene oxide and propylene oxide).	
Odorless light petroleum hydrocarbons..	
Oleamide (oleic acid amide).....	
Oleic acid, sulfated.....	
2,2'-Oxamidobis[ethyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] (CAS Reg. No. 70331-94-1).	
Oxazoline.....	
<greek-a>-(oxiranylmethyl)-<greek-oh>-(oxiranylmethoxy)poly[oxy(methyl-1,2-ethanediyl)], (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 26142-30-3).	For use as a reactant in the preparation of epoxy-based resins.
2,2'-[oxybis[(methyl-2,1-ethanediyl)-oxymethylene]]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 41638-13-5).	For use as a reactant in the preparation of epoxy-based resins.
n-Oxydiethylene-benzothiazole.....	
Palmitamide (palmitic acid amide).....	
Paraffin (C<INF>12</INF>-C<INF>20</INF>) sulfonate.....	
Paraformaldehyde.....	
Pentachlorophenol.....	
Pentaerythritol ester of maleic anhydride.	
Pentaerythritol monostearate.....	For use as preservative only.
Pentaerythritol tetrabenzoate [CAS Registry No. 4196-86-5].	
Pentaerythritol tetrastearate.....	
2,4-Pentanedione.....	
Pentasodium diethylenetriaminepentaacetate (CAS Reg. No. 140-01-2).	
Perchloroethylene.....	
Petrolatum.....	
Petroleum hydrocarbon resin (cyclopentadiene type), hydrogenated.	
Petroleum hydrocarbon resin (produced by the catalytic polymerization and subsequent hydrogenation of styrene, vinyltoluene, and indene types from distillates of cracked petroleum stocks).	
Petroleum hydrocarbon resins (produced by the homo-and copolymerization of dienes and olefins of the aliphatic, alicyclic, and monobenzenoid arylalkene types from distillates of cracked petroleum stocks).	
Phenol.....	For use as preservative only.
Phenol-coumarone-indene resin.....	
Phenolic resins as described in Sec. 175.300(b)(3)(vi).	
Phenothiazine.....	For use only as polymerization-control agent.
Phenyl-<greek-b>-naphthylamine (free of <greek-b>-naphthylamine).	
o-Phenylphenol.....	For use as preservative only.
o-Phthalic acid.....	
Pimaric acid.....	.....
Pine oil.....	
Piperazine.....	
Piperidinium pentamethylenedithiocarbamate.	
Poly(acrylamide-[2-acrylamide-2-	

methylpropylsulfonate]-
dimethylidiallyl ammonium chloride)
sodium salt (CAS Reg. No. 72275-68-4).
Polyamides derived from reaction of one
or more of the following acids with
one or more of the following amines:
Acids:
Azelaic acid.....
Dimerized vegetable oil acids..
Amines:
Bis(hexamethylene) triamine and
higher homologues.
Diethylenetriamine.....
Diphenylamine.....
Ethylenediamine.....
Hexamethylenediamine.....
Poly(oxypropylene)diamine
(weight average molecular
weight 2010) (CAS Reg. No.
9046-10-0).
Poly(oxypropylene)diamine
(weight average molecular
weight 440) (CAS Reg. No. 9046-
10-0).
Tetraethylenepentamine.....
Triethylenetetramine.....
Polybutene, hydrogenated.....
Polybutylene glycol (molecular weight
1,000).
Poly [2(diethylamino) ethyl
methacrylate] phosphate.
Polyester of adipic acid, phthalic
acid, and propylene glycol, terminated
with butyl alcohol.

[[Page 150]]

Polyester of diglycolic acid and
propylene glycol containing ethylene
glycol monobutyl ether as a chain
stopper.
Polyester resins (including alkyd
type), as the basic polymer, formed as
esters when one or more of the
following acids are made to react with
one or more of the following alcohols:
Acids:
Azelaic acid.....
Dimethyl 1,4-
cyclohexanedicarboxylate (CAS
Reg. No. 94-60-0).
Dimethyl-5-sulfoisophthalic
acid (CAS Reg. No. 50975-82-1)
and/or its sodium salt (CAS
Reg. No. 3965-55-7).
Polybasic and monobasic acids
identified in Sec.
175.300(b)(3)(vii)(a) and (b).
5-sulfo-1,3-benzenedicarboxylic
acid, monosodium salt (CAS
Reg. No. 6362-79-4).
Tetrahydrophthalic acid.....
Alcohols:
1,4-Cyclohexanedimethanol.....
2,2-Dimethyl-1,3-propanediol...
1,6-Hexanediol (CAS Reg. No.
629-11-8).
Polyhydric and monohydric
alcohols identified in Sec.
175.300(b)(3)(vii)(c) and (d).
Polyethyleneadipate modified with ethanolamine with the molar ratio of the amine to the adipic acid less than 0.1 to 1. — For use only in the preparation of polyurethan resins.
Polyethylene glycol (molecular weight
200-6,000).
Polyethylene glycol mono-isotridecyl
ether sulfate, sodium salt (CAS Reg.
No. 150413-26-6).
Polyethyleneglycol alkyl(C<INF>10</INF>-C<INF>12</INF>) ether
sulfosuccinate, disodium salt (CAS
Reg. No. 68954-91-6).
Polyethylene, oxidized.....
Polyethylene resins, carboxyl modified,
identified in Sec. 177.1600 of this

chapter.
Polyethylenimine.....
Polyethylenimine-epichlorohydrin resins
Poly(ethyloxazoline) (CAS Reg. No. 25805-17-8).
Polyisoprene.....
Polymeric esters of polyhydric alcohols and polycarboxylic acids prepared from glycerin and phthalic anhydride and modified with benzoic acid, castor oil, coconut oil, linseed oil, rosin, soybean oil, styrene, and vinyl toluene.
Polymers: Homopolymers and copolymers of the following monomers:.
Acrylamide.....
Acrylic acid.....
Acrylonitrile.....
Allylmethacrylate (CAS Reg. No. 00096-05-09).
Butadiene.....
Butene.....
N-tert-Butylacrylamide.....
Butyl acrylate.....
1,3-Butylene glycol dimethacrylate...
Butyl methacrylate.....
Crotonic acid.....
Decyl acrylate.....
Diallyl fumarate.....
Diallyl maleate.....
Diallyl phthalate.....
Dibutyl fumarate.....
Dibutyl itaconate.....
Dibutyl maleate.....
Di(2-ethylhexyl) maleate.....
Dimethyl-<greek-a>-methylstyrene.....
Dioctyl fumarate.....
Dioctyl maleate.....
Divinylbenzene.....
Ethyl acrylate.....
Ethylene.....
Ethylene cyanohydrin.....
2-Ethylhexyl acrylate.....
Ethyl methacrylate.....
Fatty acids, C<INF>10-13</INF>-branched, vinyl esters (CAS Reg. No. 184785-38-4).
Fumaric acid and/or its methyl, ethyl, propyl, butyl, amyl hexyl, heptyl and octyl esters.

[[Page 151]]

Glycidyl methacrylate.....
1-Hexene (CAS Reg. No. 592-41-6).....
2-Hydroxyethyl acrylate.....
2-Hydroxyethyl methacrylate.....
2-Hydroxypropyl methacrylate.....
Isobutyl acrylate.....
Isobutylene.....
Itaconic acid.....
Maleic acid, diester with 2-hydroxyethanesulfonic acid, sodium salt.
Maleic anhydride.....
Methacrylic acid.....
Methyl acrylate.....
N,N'-Methylenebisacrylamide.....
Methyl methacrylate.....
N-Methylolacrylamide.....
Methyl styrene.....
-Methyl styrene.....
Monoethyl maleate.....
Monomethyl maleate.....
Mono (2-ethylhexyl) maleate.....
5-Norbornene-2 3-dicarboxylic acid, mono-n-butyl ester.
1-Octene (CAS Reg. No. 111-66-0).....
Propyl acrylate.....
Propylene.....
Styrene.....
Triallyl cyanurate.....
Vinyl acetate.....
Vinyl alcohol (from alcoholysis or hydrolysis of vinyl acetate units).
Vinyl butyrate.....

Vinyl chloride.....	
Vinyl crotonate.....	
Vinyl ethyl ether.....	
Vinyl hexoate.....	
Vinylidene chloride.....	
Vinyl methyl ether.....	
Vinyl pelargonate.....	
Vinyl propionate.....	
Vinyl pyrrolidone.....	
Vinyl stearate.....	
Polyoxyalkylated-phenolic resin (phenolic resin obtained from formaldehyde plus butyl- and/or amylphenols, oxyalkylated with ethylene oxide and/or propylene oxide).	
Poly(oxycaproyl) diols and triols (minimum molecular weight 500).	
Polyoxyethylated (40 moles) tallow alcohol sulfate, sodium salt.	
Polyoxyethylene (20 mol)--anhydrous lanolin adduct.	
Polyoxyethylene (molecular weight 200) dibenzoate.	
Polyoxyethylene (molecular weight 200-600) esters of fatty acids derived from animal or vegetable fats and oils (including tall oil).	
Polyoxyethylene (15 moles) ester of rosin.	
Polyoxyethylene (4-5 moles) ether of phenol.	
Polyoxyethylene (25 moles)--glycerol adduct.	
Polyoxyethylene (40 moles) stearate....	
Polyoxyethylene (5-15 moles) tridecyl alcohol.	
Polyoxypropylene (3 moles) tridecyl alcohol sulfate.	
Polyoxypropylene (20 moles) butyl ether	
Polyoxypropylene (40 moles) butyl ether	
Polyoxypropylene (20 moles) oleate butyl ether.	
Polyoxypropylene-polyoxyethylene condensate (minimum molecular weight 1,900).	
Polypropylene glycol (minimum molecular weight 150).	
Polypropylene glycol (3-4 moles) triether with 2-ethyl-2-(hydroxymethyl)-1,3-propane-diol,. average molecular weight 730.	
Polypropylene glycol dibenzoate (CAS Reg. No. 72245-46-6).	For use as a plasticizer at levels not to exceed 20 percent by weight of the finished adhesive.
Polypropylene, noncrystalline.....	
Polysiloxanes:	
Diethyl polysiloxane.....	
Dihydrogen polysiloxane.....	
Dimethyl polysiloxane.....	
Diphenyl polysiloxane.....	
Ethyl hydrogen polysiloxane.....	
Ethyl phenyl polysiloxane.....	
Methyl ethyl polysiloxane.....	
Methyl hydrogen polysiloxane.....	

[[Page 152]]

Methyl phenyl polysiloxane.....	
Phenyl hydrogen polysiloxane.....	
Polysorbate 60.....	
Polysorbate 80.....	
Polysorbate 20 (polyoxyethylene (20) sorbitan monolaurate).	
Polysorbate 40 (polyoxyethylene (20) sorbitan monopalmitate).	
Poly[styrene-co-disodium maleate-co-<greek-a>-(p-nonyl-phenyl)-omega-(p-vinyl-benzyl)poly(oxyethylene)] terpolymer.	
Polytretrafluoroethylene.....	
Polyurethane resins produced by: (1) reacting diisocyanates with one or more of the polyols or polyesters named in this paragraph, or (2)	

reacting the chloroformate derivatives of one or more of the polyols or polyesters named in this paragraph with one or more of the polyamines named in this paragraph, or (3) reacting toluene diisocyanate or 4,4' methylenebis(cyclohexylisocyanate) (CAS Reg. No. 5124-30-1) with: (i) one or more of the polyols or polyesters named in this paragraph and with either N-methyldiethanolamine (CAS Reg. No. **105**-59-9) and dimethyl sulfate (CAS Reg. No. 77-78-1) or dimethylolpropionic acid (CAS Reg. No. 4767-03-7) and triethylamine (CAS Reg. No. 121-44-8), or (ii) a fumaric acid-modified polypropylene glycol or fumaric acid-modified tripropylene glycol), triethylamine (CAS Reg. No. 107-15-3), and ethylenediamine (CAS Reg. No. 121-44-8), or (4) reacting meta-tetramethylxylene diisocyanate (CAS Reg. No. 2778-42-9) with one or more of the polyols and polyesters listed in this paragraph and with dimethylolpropionic acid (CAS Reg. No. 4767-03-7) and triethylamine (CAS Reg. No. 121-44-8), N-methyldiethanolamine (CAS Reg. No. **105**-59-9), 2-dimethylaminoethanol (CAS Reg. No. 108-01-0), 2-dimethylamino-2-methyl-1-propanol (CAS Reg. No. 7005-47-2), and/or 2-amino-2-methyl-1-propanol (CAS Reg. No. 124-68-5).	
Polyvinyl alcohol modified so as to contain not more than 3 weight percent of comonomer units derived from 1-alkenes having 12 to 20 carbon atoms.	
Polyvinyl butyral.....	
Polyvinyl formal.....	
Potassium ferricyanide.....	For use only as polymerization-control agent.
Potassium N-methyldithiocarbamate.....	
Potassium pentachlorophenate.....	For use as preservative only.
Potassium permanganate.....	
Potassium persulfate.....	
Potassium phosphates (mono-, di-, tribasic).	
Potassium tripolyphosphate.....	
<greek-a>, <greek-a>', <greek-a>''-1,2,3-Propanetriyltris [omega-(2,3-epoxypropoxy) poly (oxypropylene) (24 moles)].	
<greek-b>-Propiolactone.....	
Propyl alcohol (propanol).....	
Propylene carbonate.....	
Propylene glycol and p-p'-isopropylidenediphenol diether.	
Propylene glycol dibenzoate (CAS Reg. No. 19224-26-1).	For use as a plasticizer at levels not to exceed 20 percent by weight of the finished adhesive.
Propylene glycol esters of coconut fatty acids.	
Propylene glycol monolaurate.....	
Propylene glycol monomethyl ether.....	
Propylene glycol monostearate.....	
<greek-a>, <greek-a>', <greek-a>''-[Propylidynetris (methylene)] tris [omega-hydroxypoly (oxypropylene) (1.5 moles minimum)], minimum molecular weight 400.	
Quaternary ammonium chloride (hexadecyl, octadecyl derivative).	For use as preservative only.
Rosin (wood, gum, and tall oil rosin), rosin dimers, decarboxylated rosin (including rosin oil, disproportionated rosin, and these substances as modified by one or more of the following reactants:.	
Alkyl (C<INF>1</INF>-C<INF>9</INF>) phenolformaldehyde.....	
Ammonia.....	
Ammonium caseinate-p-Cyclohexylphenolformaldehyde.	
Diethylene glycol.....	
Dipentaerythritol.....	

Ethylene glycol.....	
Formaldehyde.....	
Fumaric acid.....	
Glycerin.....	
Hydrogen.....	
Isophthalic acid.....	
4,4'-Isopropylidenediphenol-epichlorohydrin (epoxy).	
4,4'-Isopropylidenediphenol-formaldehyde.	
Maleic anhydride.....	

[[Page 153]]

Methyl alcohol.....	
Pentaerythritol.....	
Phthalic anhydride.....	
Polyethylene glycol.....	
Phenol-formaldehyde.....	
Phenyl <greek-m>-cresol-formaldehyde.	
p-Phenylphenol-formaldehyde.....	
Sulfuric acid.....	
Triethylene glycol.....	
Xylenol-formaldehyde.....	
Rosin salts (salts of wood, gum, and tall oil rosin, and the dimers thereof, decarboxylated rosin disproportionated rosin, hydrogenated rosin):	
Aluminum.....	
Ammonium.....	
Calcium.....	
Magnesium.....	
Potassium.....	
Sodium.....	
Zinc.....	
Rosin, gasoline-insoluble fraction.....	
Rubber hydrochloride polymer.....	
Rubber latex, natural.....	
Salicylic acid.....	For use as preservative only.
Sandarac.....	
Sebacic acid.....	
Shellac.....	
Silicon dioxide as defined in Sec. 172.480(a) of this chapter.	
Sodium alkyl (C<INF>2</INF>-C<INF>13.5</INF> aliphatic) benezenesulfonate.	
Sodium aluminum pyrophosphate.....	
Sodium aluminum sulfate.....	
Sodium bisulfate.....	
Sodium calcium silicate.....	
Sodium capryl polyphosphate.....	
Sodium carboxymethylcellulose.....	
Sodium chlorate.....	
Sodium chlorite.....	
Sodium chromate.....	
Sodium decylsulfate.....	
Sodium dehydroacetate.....	For use as preservative only.
Sodium di-(2-ethylhexoate).....	
Sodium di-(2-ethylhexyl) pyrophosphate.	
Sodium dihexylsulfosuccinate.....	
Sodium dissobutylphenoxydiethoxyethyl sulfonate.	
Sodium diisobutylphenoxymonoethoxyethyl sulfonate.	
Sodium diisopropyl- and triisopropylnaphthalenesulfonate.	
Sodium dimethyldithiocarbamate.....	
Sodium dioctylsulfosuccinate.....	
Sodium n-dodecylpolyethoxy (50 moles) sulfate.	
Sodium ethylene ether of nonylphenol sulfate.	
Sodium 2-ethylhexyl sulfate.....	
Sodium fluoride.....	For use only as bonding agent for aluminum foil, stabilizer, or preservative. Total fluoride for all sources not to exceed 1 percent by weight of the finished adhesive.
Sodium formaldehyde sulfoxylate.....	
Sodium formate.....	
Sodium heptadecylsulfate.....	
Sodium hypochlorite.....	
Sodium isododecylphenoxypolyethoxy (40	

moles) sulfate.	
Sodium N-lauroyl sarcosinate.....	
Sodium metaborate.....	
Sodium <greek-a>-naphthalene sulfonate.	
Sodium nitrate.....	
Sodium nitrite.....	
Sodium oleoyl isopropanolamide sulfosuccinate.	
Sodium pentachlorophenate.....	For use as preservative only.
Sodium perborate.....	
Sodium persulfate.....	
Sodium <greek-m>-phenylphenate.....	For use as preservative only.
Sodium polyacrylate.....	
Sodium polymethacrylate.....	
Sodium polystyrene sulfonate.....	
Sodium salicylate.....	For use as preservative only.
Sodium salt of 1-hydroxy 2(1H)-pyridine thione.	Do.

[[Page 154]]

Sodium tetradecylsulfate.....	
Sodium thiocyanate.....	
Sodium bis-tridecylsulfosuccinate.....	
Sodium xylene sulfonate.....	
Sorbitan monooleate.....	
Sorbitan monostearate.....	
Soybean oil, epoxidized.....	
Spermaceti wax.....	
Sperm oil wax.....	
Stannous 2-ethylhexanoate.....	For use only as a catalyst for polyurethane resins.
Stannous stearate.....	
Starch hydrolysates.....	
Starch or starch modified by one or more of the treatments described in Secs. 172.892 and 178.3520 of this chapter.	
Starch, reacted with a urea-formaldehyde resin.	
Starch, reacted with formaldehyde.....	
Stearamide (stearic acid amide).....	
Stearic acid.....	
Stearic acid-chromic chloride complex..	
Stearyl-cetyl alcohol, technical grade, approximately 65 percent-80 percent stearyl and 20 percent-35 percent cetyl.	
Strontium salicylate.....	
Styrenated phenol.....	
Styrene block polymers with 1,3-butadiene.	
Styrene-maleic anhydride copolymer, ammonium or potassium salt.	
Styrene-maleic anhydride copolymer (partially methylated) sodium salt.	
Styrene-methacrylic acid copolymer, potassium salt.	
Sucrose acetate isobutyrate.....	
Sucrose benzoate.....	
Sucrose octaacetate.....	
2-sulfoethyl methacrylate (CAS Registry No. 10595-80-9).	For use at levels not to exceed 2 percent by weight of the dry adhesive.
<greek-a>-Sulfo-omega-(dodecyloxy)poly (oxyethylene), ammonium salt.	
Sulfonated octadecylene (sodium form)..	
Sulfosuccinic acid 4-ester with polyethylene glycol dodecyl ether disodium salt (alcohol moiety produced by condensation of 1 mole of n-dodecyl alcohol and an average of 5-6 moles of ethylene oxide, Chemical Abstracts Service Registry No. 039354-45-5).	
Sulfosuccinic acid 4-ester with polyethylene glycol nonylphenyl ether, disodium salt (alcohol moiety produced by condensation of 1 mole of nonylphenol and an average of 9-10 moles of ethylene oxide) (CAS Reg. No. 9040-38-4).	
Sulfur.....	
Synthetic primary linear aliphatic alcohols whose weight average molecular weight is greater than 400	

(CAS Reg. No. 71750-71-5).	
Synthetic wax polymer as described in Sec. 176.170(a)(5) of this chapter.	
Tall oil	
Tall oil fatty acids, linoleic and oleic.	
Tall oil fatty acid methyl ester	
Tall oil, methyl ester	
Tall oil pitch	
Tall oil soaps	
Tallow alcohol (hydrogenated)	
Tallow amine, secondary (hexadecyl, octadecyl), of hard tallow.	
Tallow, blown (oxidized)	
Tallow, propylene glycol ester	
Terpene resins (<greek-a>-and <greek-b>-pinene) homopolymers, copolymers, and condensates with phenol, formaldehyde, coumarone, and/or indene.	
Terphenyl	
Terphenyl, hydrogenated	
Terpineol	
Tetraethylene pentamine	
Tetraethylthiuram disulfide	
Tetrahydrofuran	
Tetrahydrofurfuryl alcohol	
Tetra-isopropyl titanate	
Tetrakis[methylene (3,5-di-tert-butyl-4-hydroxy-hydro-cinnamate)] methane.	
a[p-(1,1,3,3-Tetramethylbutyl) phenyl]-omega-hydroxypoly-(oxyethylene) produced by the condensation of 1 mole of p-(1,1,3,3-tetramethylbutyl) phenol with an average of 1-40 moles of ethylene oxide.	
a-[p-(1,1,3,3-Tetramethylbutyl) phenyl]-omega-hydroxy-poly(oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and their sodium, potassium, and ammonium salts having a poly(oxyethylene) content averaging 6-9 or 40 moles.	

[[Page 155]]

Tetramethyl decanediol	
Tetramethyl decynediol	
Tetramethyl decynediol plus 1-30 moles of ethylene oxide.	
Tetramethylthiuram monosulfide	
Tetrasodium N-(1,2-dicarboxyethyl)N-octadecylsulfosuccinamate.	
4,4'-Thiobis-6-tert-butyl-m-cresol	
Thiodiethylene-bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamate).	
2,2'-(2,5-Thiophenediyl) bis[5-tert-butylbenzoxazole].	
Thiram	
Thymol	For use as preservative only.
Titanium dioxide	
Titanium dioxide-barium sulfate	
Titanium dioxide-calcium sulfate	
Titanium dioxide-magnesium silicate	
Toluene	
Toluene 2,4-diisocyanate	
Toluene 2,6-diisocyanate	
o- and p-Toluene ethyl sulfonamide	
o- and p-Toluene sulfonamide	
p-Toluene sulfonic acid	
p-(p'-Toluene-sulfonylamide)-diphenylamide.	
Triazine-formaldehyde resins as described in Sec. 175.300(b)(3)(xiii).	
Tributoxyethyl phosphate	
Tributylcitrate	
Tri-tert-butyl-p-phenyl phenol	For use as preservative only.
Tributyl phosphate	
Tributyltin chloride complex of ethylene oxide condensate of dehydroabietylamine.	For use as preservative only.
Tri-n-butyltin acetate	For use as preservative only.
Tri-n-butyltin neodecanoate	Do.
1,1,1-Trichloroethane	
1,1,2-Trichloroethane	
Trichloroethylene	

Tri-<greek-b>-chloroethylphosphate.....	
Tridecyl alcohol.....	
Triethanolamine.....	
3-(Triethoxysilyl) propylamine.....	
Triethylene glycol.....	
Triethylene glycol dibenzoate.....	
Triethylene glycol di(2-ethylhexoate)..	
Triethylene glycol polyester of benzoic acid and phthalic acid.	
Triethylhexyl phosphate.....	
Triethylphosphate.....	
2,4,5-Trihydroxy butyrophenone.....	
Triisopropanolamine.....	
Trimethylol propane.....	
2,2,4-Trimethylpentanediol-1,3-diisobutyrate.	
Trimeric aromatic amine resin from diphenylamine and acetone of molecular weight approximately 500.	
Tri(nonylphenyl) phosphite-formaldehyde resins.	As identified in Sec. 177.2600(c)(4)(iii) of this chapter. For use only as a stabilizer.
Triphenylphosphate.....	
Tripropylene glycol monomethyl ether...	
1,3,5-Tris (3,5-di-tert-butyl-4-hydroxy-benzyl)-triazine-2,4,6 (1H,3H,5H)-trione.	
Tris (p-tertiary butyl phenyl) phosphate.	
Tris(2-methyl-4-hydroxy-5-tert-butyl-phenyl)butane.	
Trisodium N-hydroxyethylethylenediaminetriacetate (CAS Reg. No. 139-89-9).	
Turpentine.....	
Urea-formaldehyde resins as described in Sec. 175.300(b)(3)(xii).	
Vegetable oil, sulfonated or sulfated, potassium salt.	
Vinyl acetate-maleic anhydride copolymer, sodium salt.	
Waxes, petroleum.....	
Wax, petroleum, chlorinated (40% to 70% chlorine).	
Waxes, synthetic paraffin (Fischer-Tropsch process).	
3-(2-Xenolyl)-1,2-epoxypropane.....	
Xylene.....	
Xylene (or toluene) alkylated with dicyclopentadiene.	
Zein.....	
Zinc acetate.....	
Zinc ammonium chloride.....	
Zinc dibenzyl dithiocarbamate.....	
Zinc dibutyldithiocarbamate.....	

[[Page 156]]

Zinc diethyldithiocarbamate.....	
Zinc di(2-ethylhexoate).....	
Zinc formaldehyde sulfoxylate.....	
Zinc naphthenate and dehydroabietylamine mixture.	
Zinc nitrate.....	
Zinc orthophosphate.....	
Zinc resinate.....	
Zinc sulfide.....	
Zineb (zinc ethylenebis-dithiocarbamate).	
Ziram (zinc dimethyldithiocarbamate)...	

[42 FR 14534, Mar. 15, 1977; 42 FR 56728, Oct. 28, 1977]

Editorial Note: For Federal Register citations affecting Sec. 175.**105**, see the List of CFR Sections Affected in the Finding Aids section of this volume.